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GarveeTech 370W

GarveeTech Automatic Sliding Gate Opener (Model 370W/1800LB) User Manual

Comprehensive instructions for installation, operation, and maintenance.

1. Introduction

Thank you for choosing the GarveeTech Automatic Sliding Gate Opener. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your gate opener. Please read this manual thoroughly before beginning installation or operation to ensure proper function and to prevent injury or damage.
This model (370W/1800LB) is designed for sliding gates weighing up to 1760 LBS (800 kg) and up to 40 feet in length. It features a powerful pure copper motor, remote control operation, and advanced safety features like obstacle detection and anti-pinch technology.



Figure 1.1: GarveeTech Automatic Sliding Gate Opener with all included components, including the motor unit, chains, remote controls, and various mounting hardware.

2. Safety Information

WARNING: Failure to follow these safety instructions may result in serious injury or death, and/or damage to property.

- Read and understand all instructions before installation and operation.
- Keep the area around the gate clear of obstructions and people, especially children, during operation.
- Do not allow children to operate the gate opener or play with remote controls.
- Ensure the gate is properly installed and moves freely before installing the opener.
- Disconnect power before performing any maintenance or repairs.
- Only qualified personnel should perform electrical connections.
- The gate opener is equipped with obstacle detection and anti-pinch technology. Regularly test these safety features.
- In case of power failure, use the manual release keys to operate the gate.



Figure 2.1: Overview of smart secure features, including wireless remote control operation, emergency release keys, and the stop/reverse mode for anti-pinch protection.

3. Package Contents

Before beginning installation, verify that all components listed below are present and undamaged. If any parts are missing or damaged, contact GarveeTech customer support.



Figure 3.1: Detailed view of all accessories included in the package, such as chains, remote controls, mounting brackets, bolts, nuts, and emergency release keys.

- Automatic Sliding Gate Opener Motor Unit
- Remote Controls (x2)
- Emergency Release Keys (x2)
- Drive Chains (2 x 10 ft / 3 m)
- Mounting Brackets and Hardware (bolts, nuts, washers, U-bolts)
- Hex Wrench
- Installation Manual (this document)

4. Setup and Installation

This section outlines the steps for installing your GarveeTech Automatic Sliding Gate Opener. Ensure you have all necessary tools and safety equipment before proceeding.

4.1 Site Preparation

- Ensure the gate slides smoothly and freely without binding or dragging.
- Clear any debris or obstacles from the gate's path.
- Verify that the gate structure is strong enough to support the opener and withstand operational forces.
- Plan the location for the motor unit, ensuring it is on a stable, level surface near the gate and has access to power.

4.2 Mounting the Motor Unit

1. Position the motor unit on a concrete pad or sturdy base next to the gate.
2. Mark the drilling points for the mounting bolts.
3. Drill appropriate holes and secure the motor unit using the provided mounting hardware. Ensure it is level and firmly attached.

4.3 Installing the Drive Chain

1. Attach one end of the drive chain to the gate using a chain bracket.
2. Route the chain through the sprocket on the motor unit.
3. Extend the chain along the length of the gate and attach the other end using another chain bracket.
4. Adjust the chain tension. It should be taut but not overly tight, allowing for smooth movement without excessive slack.

4.4 Electrical Connections

CAUTION: Electrical work should only be performed by a qualified electrician. Disconnect power before making any connections.

- Connect the power supply to the motor unit according to local electrical codes and the wiring diagram in the full manual.
- Ensure all connections are secure and properly insulated.

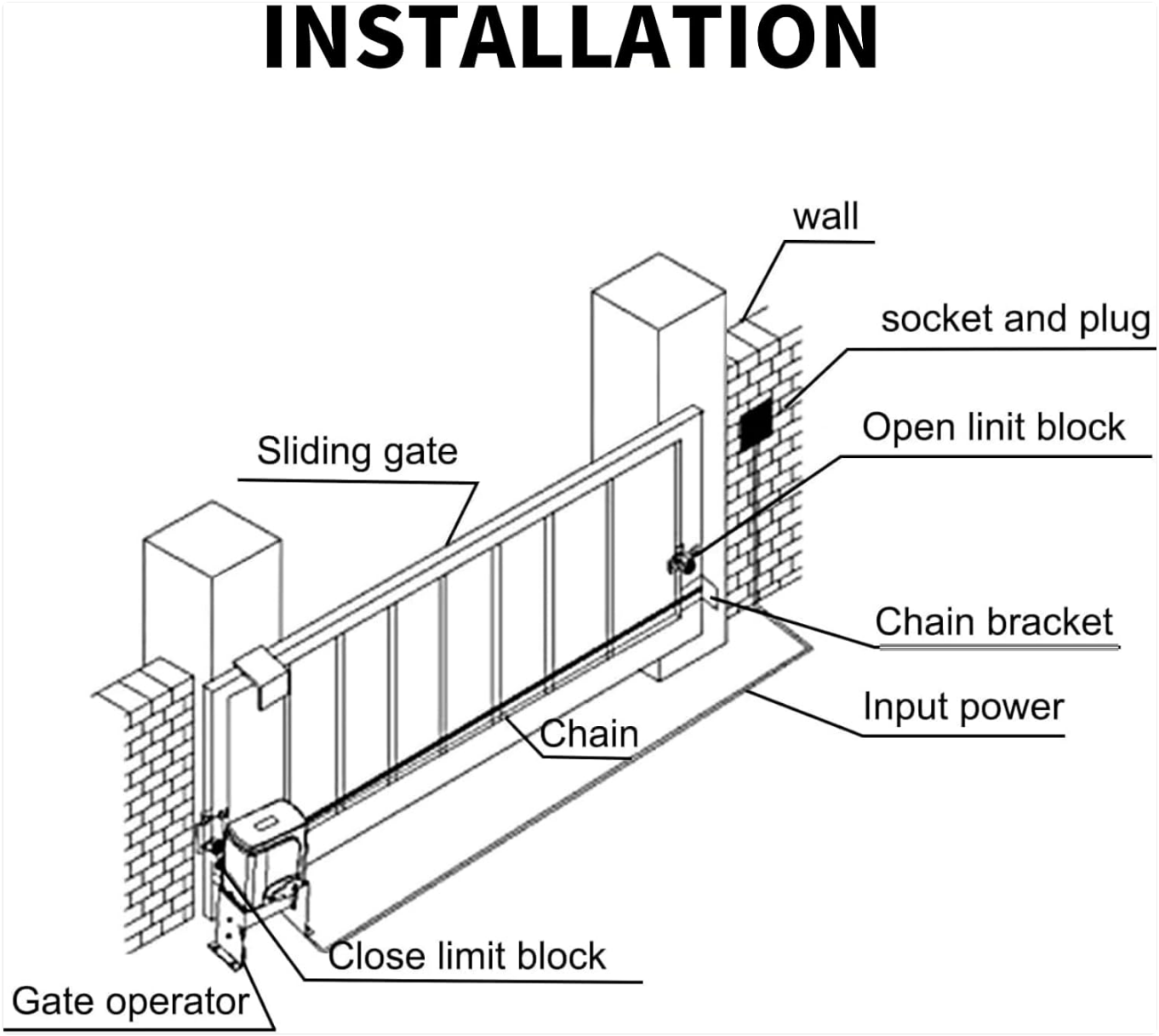


Figure 4.1: Diagram illustrating the installation of the gate operator, including the sliding gate, chain, open and close limit blocks, and input power connection.

5. Operating Instructions

Your GarveeTech Automatic Sliding Gate Opener is designed for user-friendly operation via remote control.

5.1 Remote Control Operation

- **Open Button:** Press to open the gate.
- **Close Button:** Press to close the gate.
- **Stop Button:** Press to stop the gate at any point during its travel.

The remote controls have an operating range of up to 100 feet (30 meters).

5.2 Manual Release

In the event of a power outage or malfunction, the gate can be operated manually:

1. Insert the emergency release key into the lock on the motor unit.
2. Turn the key to disengage the motor.

3. Manually slide the gate open or closed.
4. To re-engage the motor, turn the key back to its original position and remove it.

5.3 Safety Features

- **Obstacle Detection:** If the gate encounters an obstruction during opening or closing, it will automatically stop and reverse direction.
- **Anti-Pinch Technology:** This feature works in conjunction with obstacle detection to prevent pinching injuries.
- **Temperature Protector:** The motor is equipped with a temperature protector to prevent overheating during prolonged use.

6. Maintenance

Regular maintenance ensures the longevity and reliable operation of your gate opener. Always disconnect power before performing maintenance.

- **Monthly:**
  - Inspect the gate's movement for any binding or dragging. Lubricate hinges and rollers if necessary.
  - Check the drive chain tension and adjust if too loose or too tight.
  - Test the obstacle detection and anti-pinch features by placing a soft object in the gate's path.
- **Annually:**
  - Inspect all mounting hardware for tightness.
  - Clean the motor unit housing and ensure ventilation openings are clear.
  - Check electrical connections for corrosion or damage.

The motor unit is designed with a weatherproof and corrosion-resistant casing, minimizing the need for extensive internal maintenance.

7. Troubleshooting

Refer to this section for common issues and their solutions. If the problem persists, contact GarveeTech customer support.

Problem	Possible Cause	Solution
Gate does not move.	No power; remote control battery low; motor disengaged; obstruction.	Check power supply; replace remote battery; ensure motor is engaged; remove obstruction.
Gate stops unexpectedly or reverses.	Obstruction detected; safety sensor issue; chain tension incorrect.	Clear gate path; check safety sensors for alignment/damage; adjust chain tension.
Remote control not working.	Battery dead; out of range; remote not paired.	Replace battery; move closer to gate; re-pair remote (refer to full manual for pairing instructions).
Motor makes unusual noise.	Lack of lubrication; worn parts; obstruction.	Lubricate moving parts; inspect for worn components; check for obstructions.

8. Specifications

Feature	Detail
Model	370W / 1800LB
Motor Power	370W (0.5 HP)
Max Gate Weight	1760 LBS (800 kg)
Max Gate Length	40 ft
Move Speed	40 ft/min (12 m/min)
Noise Level	<56dB
Working Temperature	-4°F to +122°F (-20°C to +50°C)
Product Dimensions	12.99 x 10.24 x 18.9 inches (33 x 26 x 48 cm)
Item Weight	43 pounds (19.5 kg)
Remote Control Range	Up to 100 ft (30 m)
Durability	50,000+ cycles (Thermal-Stable Construction)
Included Components	Gate Opener, 2 Remote Controls, 2 Emergency Keys, 2x10ft Chains, Mounting Hardware



Figure 8.1: Key specifications of the pure copper motor, including 370W power, less than 56dB noise, -4°F to +122°F working temperature, and 40 ft/min move speed.



Figure 8.2: Product dimensions (12.6 x 6.18 x 21.3 inches) and examples of compatible sliding gates.

9. Warranty and Support

GarveeTech products are manufactured to high-quality standards. For warranty information or technical support, please refer to the warranty card included in your package or visit the official GarveeTech website.

For direct assistance, you may contact GarveeTech customer service through the retailer where the product was purchased or via the contact information provided on the GarveeTech Store on Amazon.

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